a current reproducing apparatus relating to a manufacturer of the reproducing apparatus;

reading the content for reproduction if there is a match for reproduction of the content;

reading the content if there is not the match for analyzing the content; and

reproducing the content if there is the match or if the analysis indicates the content is reproducible by a current reproducing.

39. (NEW) The method of claim 11, wherein the identification information corresponds to the manufacturer of the recording apparatus that last recorded or modified the content of the recording medium.

40. (NEW) The method of claim 13, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

41. (NEW) The recording method of claim 15, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

42. (NEW) The method of claim 28, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

43. (NEW) The reproduction method of claim 31, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

REMARKS

In accordance with the foregoing, claims 11-16, 26-28, 31, 33, and 38 have been amended and claims 39-43 have been added. Claims 11-43 are pending and under consideration. Reconsideration of this application, as presently amended, is respectfully requested.

In the Office Action, at page 17, claims 11-38 were rejected under 35 U.S.C. § 102 in view of Ohno. This rejection is traversed and reconsideration is requested.

Although Ohno does appear to mention VTR manufacture number data, a currently loaded tape ID number, and a serial tape number as tape map information, Ohno does not teach or suggest that the VTR manufacture number data comprises "an identification information of a manufacturer of a recording apparatus that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification," as recited in independent claim 11. Rather, Ohno checks whether the VTR manufacture number data as fetched from the tape coincides with the VTR manufacture number stored in the library memory 4 shown in FIG. 1. Unless coincidence is found, this control processing is terminated by regarding the tape as loaded is not the one of concern. If coincidence is found, in a step S12, the tape list information and the program list information **are read out** from the library memory 4 shown in FIG. 1. Ohno fails to teach or suggest modifying "the content of the recording medium different from the identification information prior to the recording or the modification," as recited in independent claim 11.

Ohno recognizes that a problem of erroneous recognition of a tape can satisfactorily be coped with by using as tape identification information the manufacture number (i.e., the VTR manufacture number) of the magnetic recording/reproducing apparatus that was used for recording programs on the tape. See column 2, lines 30-37. However, Ohno does not recognize recording the identification code of the manufacturer "that recorded or modified the content of the recording medium different from the identification information prior to the recording or the modification," as recited in independent claim 11. Accordingly, Ohno fails to anticipate independent claim 11 and related dependent claim 12.

Referring to independent claim 13, as previously set forth, Ohno does not broach the claimed feature of "verifying a coincidence of an identification information of a manufacturer of a device which recorded or modified the content of the recording medium and a manufacturer identification information of the recording/reproducing apparatus to determine whether a manufacturer specific information of the recording/reproducing apparatus is effective, wherein the identification information of the manufacturer is different from the identification information prior to the recording or the modification," as recited in independent claim 13. According to the Office Action, column 6 of Ohno, lines 18-31, teaches the claimed features of independent claim13. The referred portion of Ohno describes a control procedure where a preliminary play-back operation is carried out to read out tape map information recorded in a video signal. Specifically, the control procedure checks whether the VTR manufacture number data as fetched from the tape coincides with the VTR manufacture number stored in the library memory

4 shown in FIG. 1. Unless coincidence is found, this control processing is terminated.

However, the tape map information does not include "an identification information of a manufacturer of a device which recorded or modified the content of the recording medium . . . wherein the identification information of the manufacturer is different from the identification information prior to the recording or the modification," as recited in independent claim 13. Nowhere in the referred portion of Ohno, or anywhere else in the reference, is there a teaching or suggestion of the claimed features of independent claim 13. Accordingly, Ohno fails to anticipate independent claim 13 and related dependent claim 14.

Referring to independent claim 15, the Office Action refers to column 3, line 37, to column 4, line 28, of Ohno as teaching the claimed features of independent claim 30. The referred portion of Ohno appears to describe a library memory 4 including the manufacture number (i.e., the VTR manufacture number) of the magnetic recording/reproducing apparatus, the start code data, the currently loaded tape ID number data, the serial tape number data, and the tape species data. Further, data of a receiving channel of a tuner 1 and current data/time data are supplied to a tape map controller 5. However, Ohno is silent as to providing "modifying the content on the recording medium; and recording a manufacturer identification information of a recording apparatus indicating a manufacturer of the recording apparatus which recorded or modified the content of the recording medium different from the manufacturer identification information prior to the recording or the modification," as recited in independent claim 15. Rather, Ohno simply provides information about the magnetic recording/reproducing apparatus, as previously discussed.

Independent claim 28 recites, "a method of modifying content on a recording medium, comprising: recording on the recording medium a manufacturer identification information of a recording and reproducing apparatus indicating a manufacturer of the recording and reproducing apparatus that recorded or modified the content of the recording medium different from the manufacturer identification information prior to the recording or the modification; and reading a manufacturer identification information, determining whether the content is effective based upon whether the read manufacturer identification information matches that of the recording and reproducing apparatus, and reading the content if the content is effective." The arguments presented above supporting the patentability of independent claims 13 and 15 are incorporated herein to support the patentability of independent claim 28.

Independent claim 31 recites, "reading the manufacturer identification information of a manufacturer of an apparatus that recorded or modified the content of the recording medium

different from the manufacturer identification information prior to the recording or the modification; and determining whether to read the content based upon the read manufacturer identification information." The arguments presented above supporting the patentability of independent claims 11 and 13 are incorporated herein to support the patentability of independent claim 31.

Accordingly, in view of the foregoing, Applicants respectfully assert that Ohno does not anticipate independent claims 11, 13, 15, 28, and 31 and related dependent claims. It is respectfully requested that the pending claims of the present application be allowed.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot, and further, that all pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance, which action is earnestly solicited.

If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

If there are any underpayments or overpayments of fees associated with the filing of this Amendment, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: September 3, 2002

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND claims 11-16, 26-28, 31, 33, and 38, and ADD claims 39-43. The remaining claims are reprinted, as a convenience to the Examiner, as they presently stand before the U.S. Patent and Trademark Office.

11. (TWICE AMENDED) A method of recording and/or editing content[, including audio, video, and/or information data,] on a data storage medium, comprising:

recording an identification information of a manufacturer of a recording apparatus that [last] recorded or modified the content of the recording medium <u>different from the identification information prior to the recording or the modification</u>.

12. (ONCE AMENDED) The method of claim 11, further comprising:

recording a product identification code of the recording apparatus of the manufacturer that [last] modified the content of the recording medium by performing recording/editing on the recording medium.

13. (TWICE AMENDED) A method of recording/reproducing content[, including audio, video, and/or information data,] on a rewritable recording medium with a recording/reproducing apparatus using manufacturer information recorded on the recording medium, comprising:

verifying a coincidence of an identification [code] <u>information</u> of a manufacturer of a device which [last] <u>recorded or</u> modified the content of the recording medium and a manufacturer identification [code] <u>information</u> of the recording/reproducing apparatus to determine whether a manufacturer specific information of the recording/reproducing apparatus is effective<u>, wherein the identification information of the manufacturer is different from the identification information prior to the recording or the modification</u>.

14. (TWICE AMENDED) The method of claim 13, further comprising:

verifying the coincidence of an identification [code] <u>information</u> of a product that [last] modified the content of the recording medium and a product identification code of the recording/reproducing apparatus to determine whether the manufacturer specific information of

the recording/reproducing apparatus is effective.

15. (TWICE AMENDED) A recording method of recording content on a rewritable recording medium, comprising:

modifying the content on the recording medium; and

recording a manufacturer identification information of a recording apparatus indicating a manufacturer of the recording apparatus which [last] recorded or modified the content of the recording medium different from the manufacturer identification information prior to the recording or the modification.

16. (TWICE AMENDED) The recording method of claim 15, further comprising:

recording a product information code indicating a product model of the recording apparatus that [last] modified the content of the recording medium.

17. (AS ONCE AMENDED) The recording method of claim 16, further comprising:

recording an operation code indicating information on an operation performed by the recording apparatus other than reproduction of the content of the recording medium.

18. (UNAMENDED) The recording method of claim 17, wherein the operation code information is compatible for a plurality of different manufacturers.

19. (UNAMENDED) The recording method of claim 15, further comprising:

recording a manufacturer information item specific to the manufacturer of the recording apparatus, and a manufacturer code to indicate the manufacturer of the manufacturer information item.

20. (UNAMENDED) The recording method of claim 16, further comprising:

recording a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item.

21. (UNAMENDED) The recording method of claim 20, further comprising:

recording time information indicating a time when the manufacturer information item is recorded on the recording medium.

22. (AS ONCE AMENDED) The recording method of claim 20, further comprising:

recording the manufacturer code and the product code at a beginning part of the manufacturer information item.

23. (UNAMENDED) The recording method of claim 19, further comprising:

recording a search pointer indicating a starting address of the manufacturer information item.

24. (UNAMENDED) The recording method of claim 19, further comprising:

updating a number of total manufacturer information items recorded on the recording medium.

25. (AS ONCE AMENDED) The recording method of claim 24, further comprising:

determining whether the number of total manufacturer information items exceeds a predetermined limit, and if so, deleting an oldest manufacturer information item stored on the recording medium.

26. (ONCE AMENDED) The recording method of claim 16, further comprising:

recording an [last] address of manufacturer information which includes the manufacturer identification [code] information and the product information code.

27. (TWICE AMENDED) The recording method of claim 17, further comprising:

recording an last address of manufacturer information which includes the manufacturer identification information, the product information code, and the operation code.

28. (TWICE AMENDED) A method of modifying content on a recording medium, comprising:

recording on the recording medium a manufacturer identification [code] information of a recording and reproducing apparatus indicating a manufacturer of the recording and reproducing apparatus that [last] recorded or modified the content of the recording medium

different from the manufacturer identification information prior to the recording or the modification; and

reading a manufacturer identification information, determining whether the content is effective based upon whether the read manufacturer identification information matches that of the recording and reproducing apparatus, and reading the content if the content is effective.

29. (AS ONCE AMENDED) The method of claim 28, further comprising:

reading the content of the recording medium to determine whether the content is effective if the determination is that the read manufacturer identification information does not match that of the recording and reproducing apparatus, and reproducing the content read if the content read is determined to be effective.

30. (AS ONCE AMENDED) The method of claim 28, further comprising:

updating only manufacturer information item specific to the manufacturer of the recording and reproducing apparatus, and not updating other manufacturer information items recorded on the recording medium.

31. (TWICE AMENDED) A reproduction method of reproducing content from a recording medium on which a manufacturer identification [code] information, the reproduction method comprising:

reading the manufacturer identification [code] information of a manufacturer of an apparatus that [last] recorded or modified the content of the recording medium different from the manufacturer identification information prior to the recording or the modification; and

determining whether to read the content based upon the read manufacturer identification [code] information.

32. (UNAMENDED) The reproduction method of claim 31, wherein the recording medium has a product information code indicating a product model of the apparatus that [last] modified the content of the recording medium on the recording medium, the reproduction method further comprising:

reading the product model; and

determining whether to read the content based upon the read product model.

33. (ONCE AMENDED) The reproduction method of claim 31, wherein the recording medium has an operation code indicating information on an operation performed by the recording apparatus that [last] modified the content of the recording medium, the reproduction method further comprising:

reading the operation code; and

determining how to modify the content based upon the read operation code.

34. (UNAMENDED) The reproduction method of claim 32, wherein the recording medium has a manufacturer information item specific to the manufacturer, and a manufacturer code to indicate the manufacturer of the manufacturer information item, the reproduction method further comprising:

reading the manufacturer code; and

determining whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing apparatus.

35. (UNAMENDED) The reproduction method of claim 32, wherein the recording medium has a manufacturer information item specific to the manufacturer, a manufacturer code to indicate the manufacturer of the recording apparatus of the manufacturer information item, and a product code to indicate a product model of the recording apparatus of the manufacturer information item, the reproduction method further comprising:

reading the manufacturer code and the product code; and

determining whether to read the manufacturer information item if the manufacturer code matches a code relating to the manufacturer of the reproducing apparatus and the product code matches a code relating to the product model of the reproducing apparatus.

36. (UNAMENDED) The reproduction method of claim 35, wherein the recording medium has time information indicating a time when the manufacturer information item is recorded on the recording medium, the reproduction method further comprising:

reading the time information and processing the read time information.

37. (UNAMENDED) The reproduction method of claim 34, wherein the recording medium has a search pointer indicating a starting address of the manufacturer information item, the reproduction method further comprising:

reading the search pointer and then reading the manufacturer information item at the starting address thereof.

38. (ONCE AMENDED) The reproduction method of claim 31, further comprising:

determining whether the read manufacturer identification [code] information matches a code of a current reproducing apparatus relating to a manufacturer of the reproducing apparatus;

reading the content for reproduction if there is a match for reproduction of the content;

reading the content if there is not the match for analyzing the content; and

reproducing the content if there is the match or if the analysis indicates the content is reproducible by a current reproducing.

39. (NEW) The method of claim 11, wherein the identification information corresponds to the manufacturer of the recording apparatus that last recorded or modified the content of the recording medium.

40. (NEW) The method of claim 13, wherein the identification information of the manufacturer corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

41. (NEW) The recording method of claim 15, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

42. (NEW) The method of claim 28, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.

43. (NEW) The reproduction method of claim 31, wherein the manufacturer identification information corresponds to the manufacturer of the recording apparatus that last modified the content of the recording medium.